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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/020,702	10/30/2001	Steven Wang	INTL-0679-US (P12997)	9571

21906 7590 01/09/2006

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EXAMINER

TAYLOR, NICHOLAS R

ART UNIT	PAPER NUMBER
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2141

DATE MAILED: 01/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/020,702	WANG, STEVEN	
	Examiner	Art Unit	
	Nicholas R. Taylor	2141	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 October 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-30 have been presented for examination and are rejected.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Law et al. (US PGPub 2001/0056501) and Cannon et al. (US PGPub 2002/0090912).

4. As per claims 1, 11, and 21, Law teaches a method comprising:

establishing a wireless connection between a cableless provider and a consumer; and (Law, paragraph 0031)

storing information about at least two cableless providers to facilitate the establishment of a link (Law, paragraph 0032, wherein the lookup table stores link information for multiple devices).

However, while Law teaches an offset that can be linked to various data including device addresses and data characteristics, Law fails to teach said information linking an identity for each of said two cableless providers to additional information.

Cannon teaches linking Bluetooth device identities (addresses) to "additional information" (Cannon, abstract and paragraph 0032, specifically the BD_ADDR to a passcode). It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to have combined Law and Cannon to provide the additional information lookup of Cannon in the system of Law, because doing so would improve a user's experience in selecting paired devices in a piconet network (Cannon, paragraphs 0020-0021).

5. As per claims 2, 12, and 22, Law-Cannon teaches the system further including exchanging information upon the first connection between a given cableless provider and a consumer (Law, paragraph 0031-0032, wherein a synch and data packet is initially transmitted).

6. As per claims 3 and 13, Law-Cannon teaches the system further including storing information in order to avoid the need to exchange information each time a connection is established (Law, paragraph 0031-0032, wherein a lookup table is formed).

7. As per claims 4 and 14, Law-Cannon teaches the system further including denominating said consumer as the master device and said cableless provider as slave device (Law, figures 7A and 7B, wherein the consumer is always receiving and the provider is always sending).

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8. As per claims 5, 15, and 30, Law-Cannon teaches the system further including programming said consumer to always be the master device (Law, figures 7A and 7B, wherein the consumer is always receiving).

9. As per claims 6, 16, and 24, Law-Cannon teaches the system further including enabling a Bluetooth connection (Law, paragraph 0030, wherein Bluetooth is a 2.4ghz frequency connection as per the "Background of the Invention" section).

10. As per claims 7, 17, and 25, Law-Cannon teaches the system further including enabling a Bluetooth connection between said consumer and said cableless provider without providing for authentication (Law, paragraph 0031-0032, wherein no authentication takes place).

11. As per claims 8, 18, and 26, Law-Cannon teaches the system further including enabling a connection between the cableless provider and the consumer without providing for pairing (Law, paragraph 0031-0032, wherein no pairing takes place).

12. As per claims 9, 19, and 27, Law-Cannon teaches the system further including providing an indication bit that identifies the cableless provider to establish a connection (Law, paragraph 0031-0032).

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13. As per claims 10, 20, and 29, Law-Cannon teaches the system further including providing information to a consumer from a cableless provider that indicates the type of device of the cableless provider (Law, paragraph 0031-0032, wherein FHS packets with device type are inherent in the use of the Bluetooth protocol).

14. As per claim 23, Law-Cannon teaches the system further wherein said device is a consumer (Law, figure 7B).

15. As per claim 28, Law-Cannon teaches the system further wherein said device identifies itself through an FHS packet (Law, paragraph 0031-0032, wherein the use of FHS control packets are inherently required in the use of the Bluetooth protocol).

Conclusion


16. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nicholas Taylor whose telephone number is (571) 272-3889. The examiner can normally be reached on Monday-Friday, 8:00am to 5:30pm, with alternating Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on (571) 272-3880. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3718.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nicholas Taylor
Examiner
Art Unit 2141


NATAL DHARIA
SUPERVISORY PATENT EXAMINER